

# Business Freedom Cloud Backup

## Get Peace of Mind

Cloud-based backup is the automatic and secure way to ensure your data is protected. Your important data is automatically encrypted, backed up, and securely stored in one of our world class data centers at an affordable, flat monthly fee.



Multiple ways to backup your Data

Choose Cloud or Hybrid Cloud with DRaaS

Affordable flat monthly fee based on usage

No Equipment to buy or maintain



### Business Freedom Cloud Backup

Disaster Recovery as a Service

Protection of mission critical applications, servers, and databases along with the ability to recover that information in the event of an unexpected interruption is a paramount concern of executives in organizations of all sizes.

CTIntegrators utilizes synchronized cloud and local storage that allows for local backups and recovery of data even when the internet or physical location is inaccessible.

### THE BENEFITS DRaaS

#### Stronger Security & Simple Recovery:

- CTIntegrators protects client information using up to 448-bit Blowfish encryption. Customer creates and retains private key for decryption and data is secured in one of our USA Based, SSAE 16 ,COC-1 Type II and ISO certified data centers.
- DRaaS utilizes True Delta technology so we back up and restore only incremental changes.

#### Better Reliability & Scalability:

- CTIntegrators has redundancy by using local storage and cloud-based storage. Our Data Centers utilize a fully redundant architecture to ensure ability for recovery 99.999% of the time.
- As backup needs grow, SDV DRaaS cloud storage is infinitely scalable. Just add data, without investments.

#### True Business Continuity:

- Recovery is easy when the server just needs data restored, but when the server has a true disaster (fire, water, etc.) that is where DRaaS really shines. Our local backup appliance can virtualize any piece of down equipment and be online in minutes.
- DRaaS in the cloud means we can virtualize your server in our datacenter within 1-2 hours and your employees can use a VPN connection to continue doing business.

CTIntegrators, Inc. brings over 30 years of IT and communications experience to assist your small to medium size business. As an Intel Gold Partner, Microsoft OEM Partner, Cisco Meraki Express Partner and Vertical Direct Partner, CTIntegrators specializes in integrating powerful hardware, software and security platforms designed to help Small & Medium Businesses (SMB) move to the Cloud, smoothly and safely.

FOR MORE INFO VISIT:  
[www.ctintegrators.com](http://www.ctintegrators.com)

CALL US  
703-261-7066

EMAIL US  
[sales@ctintegrators.com](mailto:sales@ctintegrators.com)

# Disaster Planning



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It's impossible to plan your recovery if you don't know what disaster is you're protecting against in the first place. Take a look at this list of potential disasters and identify which ones are important to you. Use these questions to define your needs.

## DEFINE THE DISASTER

- Loss of data—A deleted folder, a case of ransomware that encrypts every file on your server, or a database that becomes corrupt.
- Loss of an application—Changes to security or system configurations, or even updates that negatively impact services.
- Loss of a system—A hardware failure, or for those of you with virtualized servers, a crashed OS.
- Loss of connectivity—When applications hosted inside your walls are used externally.
- Loss of business location—Electrical outage, fire, flooding, or even a chemical spill outside the building.
- Loss of operations—Any of the previous disasters can represent a complete stoppage of business operations.

### What Data is Needed First:

It's crucial to recognize the importance of your data, applications, systems, connectivity, and locations, as you may need to respond with a completely different recovery strategy in different situations.

To truly define the disasters you want to protect against, you'll need to define the loss instance granularity. Clearly you're not going to treat all files on a server with the same level of importance.

When thinking about a loss of data, you might be thinking about a specific file server and a few critical client endpoints. But when trying to protect against the loss of a location, you're considering many more applications, endpoints and business processes, etc. The goal here is to make sure you know which parts of your environment need protecting, and from what disasters they need to be protected. CTIntegrators can help with that analysis.

### Understanding RTO & RPO:

Putting specifics around the amount of time you have to recover (Recovery Time Objective or RTO) and how much data you are willing to lose (Recovery Point Objective or RPO) on a per-recovery data set basis is key.

For example, a mission critical application may have an RTO of less than 15-30 minutes, and an RPO of less than 60 minutes, whereas files on a server can have an RTO of 1-2 days, and an RPO of anything less than 1 week. Questions like how often to back up and where recovered data will be kept need to be answered for each of these objectives.

Remember, you'll need to apply these objectives to each combination of "disaster" and data to be protected, because getting a server back up when there's a loss of data is a completely different backup and recovery exercise than when there's a fire in the building causing the server to go up in flames. CTIntegrators can help you process the best solutions.

## RECOVERY

### RECOVERY OPTIONS:

File Level	Physical to Physical (P2P)
Entire Database	Virtual to Virtual (V2V)
Physical to Virtual (P2V)	Recover in Priority

### DISASTER RECOVERY:

Virtual Disaster Recovery
Bare Metal Recovery
Physical to Virtual (P2V)

## SECURITY / PRIVACY / COMPLIANCE

<b>Private Key Encryption:</b>	The end -user owns the encryption key (HIPPA COMPLIANCE)
<b>Advanced Encryption Standards (AES):</b>	128-bit / 256-bit / 448 blowfish
<b>Client Side Encryption:</b>	Encrypt data at the source, keeping it encrypted in transit and on the storage (HIPPA COMPLIANCE)
<b>Encrypted in-transit ("in-flight"):</b>	Data is encrypted before sending over Secured Socket Layer (SSL) connection (HIPPA COMPLIANCE)
<b>Encrypted in storage ("at-rest"):</b>	The Data remains encrypted while stored in the database (HIPPA COMPLIANCE)
<b>Archiving:</b>	Unlimited (HIPPA COMPLIANCE)
<b>Security Focused Storage:</b>	Data will be stored in one of our 2 US Based SSAE 16 COC-1 Type II and ISO certified data centers. Data will not leave the country (HIPPA COMPLIANCE)

## PLATFORM & APPLICATION SUPPORT

<b>MICROSOFT APPLICATION SUPPORT</b>	<b>VIRTUAL MACHINE HOST SUPPORT</b>	<b>ADDITIONAL DATA BASES</b>
MS SQL®	Hyper-V®	My SQL®
MS Exchange®	VM Ware®	Oracle®
MS Sharepoint®	VM Ware® Changed Block Tracking	
Cluster Shared Volume (CSV)		

## BENEFITS & FEATURES

<b>Solution for Any Size:</b>	Supports all OS's, Windows Applications, Oracle, MySQL, Virtual Environments, offsite and onsite locations with one solution.
<b>Real Time &amp; Centralized Management</b>	Reduce your time spent on managing your backups by 90%. Monitor, discover, deploy and manage remotely. Scale from 1 to 100's of servers without adding support staff.
<b>Multi-Server or PC Management:</b>	YES!
<b>Real Time Failed Backup Alerts:</b>	YES!
<b>Full Recovery Testing:</b>	YES!
<b>Pay per GB, No Upfront Hardware Purchases:</b>	YES!
<b>Windows/Mac/Linux:</b>	YES!
<b>Archiving:</b>	YES!
<b>Files/Folders:</b>	YES!
<b>Bandwidth Throttling:</b>	YES!
<b>Automated Status Updates:</b>	YES!
<b>System State:</b>	YES!
<b>Network Folders:</b>	YES!
<b>Devices Included:</b>	Unlimited
<b>De-Duplication:</b>	Conserve bandwidth and save space by preventing double storage of data
<b>Advanced Bandwidth Throttling:</b>	Setup time, priority, max used bandwidth
<b>Automatic Re-connect:</b>	YES!
<b>True Delta Technologies:</b>	YES!

## DATA CENTER OVERVIEW

2 US Based locations. Both SSAE 16 SOC-1 Type II

[www.CTIntegrators.com](http://www.CTIntegrators.com)

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